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USSR WAR PLANESKOR-1

Original design biplane with a single pontoon. Two smaller pontoons are located at the ends of the wings. It was especially designed as a cat-apult plane. It has a single 100-hp M-63 engine. Taken out of service before the war.

NER-2

Single-engine flying boat designed by Blokhavlyudin. High-winged mono-plane entirely constructed of metal and is equipped with wing flaps. Auxiliary pontoons are located in the center of each wing. It has a single M-17, 12-cylinder, 680-hp engine. Two firing points (gun blisters) and a crew of five. Wing span 13.4 meters, speed 220 km/hr, range 1200 km. Taken out of service before the war.

ARK-3

Flying boat specifically built for duty in the Arctic Ocean. It has two M-23 engines in tandem formation above the wing. Each of the engines is capable of 630 hp. Wing span 20 meters, weight load 5,100 kg.

I-15

Fighter plane (1930-36), generally known as the Khato. Biplane with a fixed undercarriage and fairings on the wheels. The fuselage is short and stubby. It has a 730-hp engine. Maximum speed 370 km/hr.

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I-153

Biplane of the I-15 type, chiefly used as a dive-bomber. The M-63 engine is capable of 1,000 hp. It has retractable landing gear. Armed with four machine guns. Wing span 10 meters, maximum speed 390 km/hr. Used during 1930-36. Generally known as Khitaka.

I-16

Still popular at the beginning of the war. Generally known as Ishak or Bata. Low-wing monoplane with a characteristic profile. It retained the stubbiness of the I-15 and I-153. It has a radial 1,000-hp engine. Wing span 10.1 meters, length 7.3 meters, weight load in flight 1,415 kg. Highly maneuverable.

YAK-1

Single-seat fighter designed by Yakovlev. Low-wing monoplane with wooden wing frames covered with plywood. The ailerons and rudder are covered with cloth. The fuselage is of mixed construction; the forward part is covered with metal, the rear with plywood. It has a retractable landing gear, M 105-P 12-cylinder, V-type, 1,100-hp engine, a three-bladed metal propeller. Armament, one 20-mm cannon, two 12.7-mm machine guns, six 25-kg rockets. Wing span 10 meters, length 8.5 meters, maximum speed 536 km/hr.

YAK-7

Two-seater trainer-fighter designed by Yakovlev. A low-wing monoplane, wooden frame covered with plywood. The ailerons and rudder are covered with cloth. The fuselage is of mixed construction; the forward part is metal covered, the portion behind the cabin is wooden. It has retractable landing gear and fixed tail wheel. A M-105, 12-cylinder, V-type, 1,100-hp engine. A three-bladed metal propeller, cooling jacket located below the wing. Wing span 10 meters, length 8.5 meters.

IAGG-7

Pursuit plane designed by Lavochkin, Gorbunov, and Grudkov made entirely of wood. A 14-cylinder, 1,850-hp, radial engine. An elliptical fuselage. Single-seat, armor-shielded cockpit. Armament, two 20-mm cannon firing through the propeller. Wing span 9.69 meters, length 8.71 meters, height 2.45 meters, lifting surface 17.47 sq m, weight 2,800 kg, weight in flight 3,400 kg, weight per unit 194 kg/sq m, maximum speed 600 km/hr.

IA-5

Single-seat fighter designed by Lavochkin. Low-wing monoplane of treated wood. Hydraulic retractable landing gear. M-2, twin radial, 1,600-hp engine. It has five armored tanks. Armament, machine guns, two 20-mm cannon, two 50-kg bombs. Wing span 9.8 meters, length 8.46 meters, lifting surface 17.4 sq m, maximum speed at a height of 3,000 meters - 592 km/hr, cruising speed 400 km/hr, range 640 km.

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SB-2

Fast bomber of the 1930-1936 period. Speed 370 km/hr. Two M-34, 830-hp engines. Wing span 20 m. Crew of 3.

TB-3

Heavy bomber which was also used as a transport plane. As a transport it accommodated 40 soldiers with full gear. Four M-34 1,000-hp engines.

TB-6B

Improved model of the TB-3. Four-engine heavy bomber. Wing span 40 meters. Four M-100 1,100-hp engines. Partly retractable landing gear. Carries 2,700 kg of bombs. Participated in the early days of the recent war.

TB-7 (ANT-14)

Bomber and transport, designed by Tupolev. Four engine, M-105, 1,100 hp each or pusher-type AM-38, 1,300 hp each. Medium wing monoplane. Leather-covered fuselage. Gun blisters in the nose, gondolas of the engines, tail and top of plane. Wing span 40 meters, length 24.5 meters, weight 15,000 kg, weight in flight 22,700 kg, maximum speed at a height of 7,600 meters - 450 km/hr, range 4,000 km, maximum unit weight 210 kg/sq m, maximum speed at 5,000 m - 540 km/hr, cruising speed 428 km/hr, ceiling 9,000 meters.

DB-3P

Twin-engine, long-range bomber and torpedo plane designed by Ilyushin. Low-wing monoplane entirely constructed of metal. It has an oval fuselage retractable landing gear, 14-cylinder radial, M 88 air-cooled engine, of 1,100 hp each, three-bladed metal propellers. Crew of four. Armament, one movable gun in the nose. Maximum bomb load 2,000 kg, wing span 21.4 meters, length 14.5 meters, weight in flight 15,000 kg, maximum speed 425 km/hr, range 4,000 km.

YAK-4

This plane is somewhat smaller than the PE-2 which it greatly resembles in flight. It was used as a dive and attack bomber. Two 1,100-hp engines. Maximum speed, 428 km/hr.

PE-2

Light dive bomber and long-range fighter, designed by Petlakov. Low-wing metal monoplane. Wings have two electrically operated flaps. Rudders are cloth covered. Retractable landing gear, two 12-cylinder V-type M-105 k, 1,050-hp, liquid-cooled engines. Three-bladed propellers with electrically-set pitch. Each engine is equipped with two turbo-superchargers. Twelve fuel tanks with a capacity of 1,500 liters. Armament varies according to use.

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Wing span 17.16 meters, length 12.6 meters, lifting surface 40.5 sq m, weight 5,780 kg, maximum weight in flight 8,520 kg, normal unit weight 190.3 kg/sq m.

IL-2

Two-seater attack plane designed by Ilyushin. Low-wing monoplane, metal wings, oval-shaped fuselage which is metal covered in the forward part and wooden in the rear. Rudder is cloth covered. Retractable landing gear but a fixed tail wheel. M-38, 12-cylinder, V-type, liquid-cooled, 1,300-hp engine. Three-bladed fixed propeller pitch. Engine and cockpit are armored. Armament, two 23-mm cannon and two 7.6-mm machine guns in the leading edge, eight 25-kg rockets. For special purpose it is equipped with two 37-mm cannon. Wing span 14.58 meters, length 11.6 meters, maximum speed 448 km/hr.

MiG-3

Single-seat fighter designed by Mikoyan and Gurevich. Low-wing monoplane with the wings formed into 3 parts, the center portion of metal, and the outer portions wooden framed and covered with plywood. The rudder is covered with plywood. It has retractable landing gear. AM-35A, 12-cylinder, V-type, liquid-cooled, 1,200-hp engine. It has a three-bladed metal propeller with a fixed pitch. Armament, one 12.7-mm and two 7.7-mm machine guns, three 25-kg rockets under each wing. Wing span 11.4 meters, length 9.5 meters, weight load in flight 2,820 kg, maximum speed 576 km/hr, range 800 km.

/Sketches of all planes are available in the original document at CIA.]

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